BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work: Providing Borewell water pipe lines Water Supply works at ward no.13

DASARAHALLI DIVISION

MEASUREMENT SHEET

1st & Final Bill

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Name of Work :Providing Borewell water pipe lines Water Supply works at ward no.13

	Pre Measurement Recorded on : 20-6-19						
Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
1	Geophysical investigation of site for sinking borewell for supplying drinking water to the habitation either through the hand pump, MWS or P.W.S.S. by vertical electrical sounding by adopting venner or schlumbergers's method, including reconnaissance survey of geological formation, Geological investigation of existing ground water in vicinity, its quality, quantity & acceptability of the users indicating the location of site, recommended depth of casing pipe required to seal the top unconsolidated formation including an extra depth of 1.0 mtr in consolidated formation for proper seating of casing pipe, depth of drilling required to cover full depth of aquifer proposed to be tapped, probable yield and other information required including transportation of instrument and accessories to work site, engaging technical personal and labour required etc (P.NO-47, I.NO-9.4, PRED 12-13 SR)						
	Area						
	Near Hatti Lakkamma Temple	1				1.00	
	Govt School Mallasandra	1				1.00	
	Ravindra Nagara Lake	1				1.00	
	BHEL Mini Colony	1				1.00	
	Muneshwara Block	1				1.00	
	Near Kodava Samaja	1				1.00	
					Present Qty	**6.00**	**Each**

Assistant Engineer 20/6/19
Ward No-13

Asst. Executive Engineer,
Shetty halli Sub Division

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Name of Work :Providing Borewell water pipe lines Water Supply works at ward no.13

Pre Measurement Recorded on : 25-6-19

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
2	Sinking of borewell of 165 mm dia clear using super fast hydraulic rig of capacity 250 PSIG & above 900 CMF & above in all strata including over budern upto 20 m. fixing of casing pipes, collars & cap with necessary cutting, threading & welding including transportation of rig and supporting vehicle, crew charges & cost of consumables etc., complete including yield testing at the final depth with minimum working of compressor for one hour(excluding cost of casing pipes, collars, cap etc.,) (P.NO-47, I.NO-9.1, PRED 12-13 SR)						
	Area						
	0.00 to 50.00 Mtr.						
	Near Hatti Lakkamma Temple	1	50.00			50.00	
	Govt School Mallasandra	1	50.00			50.00	
	Ravindra Nagara Lake	1	50.00			50.00	
	BHEL Mini Colony	1	50.00			50.00	
	Muneshwara Block	1	50.00			50.00	
	Near Kodava Samaja	1	50.00			50.00	
						50.00	
	50.00 to 100.00 Mtr.					**300.00**	**Mtr**
	Near Hatti Lakkamma Temple	1	50.00			50.00	
	Govt School Mallasandra	1	50.00			50.00	
	Ravindra Nagara Lake	1	50.00			50.00	
	BHEL Mini Colony	1	50.00			50.00	
	Muneshwara Block	1	50.00			50.00	
	Near Kodava Samaja	1	50.00			50.00	
						50.00	
	100.00 to 150.00 Mtr.					**300.00**	**Mtr**
	Near Hatti Lakkamma Temple	1	50.00			50.00	
	Govt School Mallasandra	1	50.00			50.00	
	Ravindra Nagara Lake	1	50.00			50.00	
	BHEL Mini Colony	1	50.00			50.00	
	Muneshwara Block	1	50.00			50.00	
	Near Kodava Samaja	1	50.00			50.00	
						50.00	
	150.00 to 200.00 Mtr.					**300.00**	**Mtr**
	Near Hatti Lakkamma Temple	1	50.00			50.00	
	Govt School Mallasandra	1	50.00			50.00	
	Ravindra Nagara Lake	1	50.00			50.00	
	BHEL Mini Colony	1	50.00			50.00	
	Muneshwara Block	1	50.00			50.00	
	Near Kodava Samaja	1	50.00			50.00	
						50.00	
	200.00 to 250.00 Mtr.					**300.00**	**Mtr**
	Near Hatti Lakkamma Temple	1	50.00			50.00	

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Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
	Govt School Mallasandra	1	50.00			50.00	
	Ravindra Nagara Lake	1	50.00			50.00	
	BHEL Mini Colony	1	50.00			50.00	
	Muneshwara Block	1	50.00			50.00	
	Near Kodava Samaja	1	50.00			50.00	
						50.00	
	250.00 to 300.00 Mtr.					**300.00**	**Mtr**
	Near Hatti Lakkamma Temple	1	50.00			50.00	
	Govt School Mallasandra	1	50.00			50.00	
	Ravindra Nagara Lake	1	50.00			50.00	
	BHEL Mini Colony	1	50.00			50.00	
	Muneshwara Block	1	50.00			50.00	
	Near Kodava Samaja	1	50.00			50.00	
						50.00	
	300.00 to 350.00 Mtr.					**300.00**	**Mtr**
	Near Hatti Lakkamma Temple	1	50.00			50.00	
	Govt School Mallasandra	1	50.00			50.00	
	Ravindra Nagara Lake	1	50.00			50.00	
	BHEL Mini Colony	1	50.00			50.00	
	Muneshwara Block	1	50.00			50.00	
	Near Kodava Samaja	1	40.00			40.00	
						290.00	**Mtr**

Assistant Engineer 25/6/19
Ward No-13

Asst. Executive Engineer,
Shetty halli Sub Division

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Name of Work :Providing Borewell water pipe lines Water Supply works at ward no.13

	Pre Measurement Recorded on : 25-6-19						
Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
3	Supplying of ISI Mark 175 mm nominal bore medium black ERW casing pipe of 5mm thick black electric resistance continous welded midle steel tube material confirming to IS 1387/!993 and manufactured from hot rolled steel skelp/stripes in random length of 4 to 7 mtr both ends threaded confirming to IS 554/1985 one end(including of all taxes) (P.NO-III, I.NO-84, PRED 12-13 SR)						
	Area						
	Near Hatti Lakkamma Temple	1	50.00			50.00	
	Govt School Mallasandra	1	50.00			50.00	
	Ravindra Nagara Lake	1	50.00			50.00	
	BHEL Mini Colony	1	50.00			50.00	
	Muneshwara Block	1	50.00			50.00	
	Near Kodava Samaja	1	50.00			50.00	
						50.00	
					Present Qty	**300.00**	**Rmt**

Assistant Engineer 25/6/19
Ward No-13

Asst. Executive Engineer,
Shetty halli Sub Division

Scanned by CamScanner

Name of Work :Providing Borewell water pipe lines Water Supply works at ward no.13

	Pre Measurement Recorded on : 28/6/19						
Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
4	Providing and fixing 250mm dia PVC pipe and as per specification and directions. (BWSSB SR 13-14, P.No.53 I.no.1 of sl.no.11.)						
	Area						
	Near Hatti Lakkamma Temple	1	6.00			6.00	
	Govt School Mallasandra	1	6.00			6.00	
	Ravindra Nagara Lake	1	6.00			6.00	
	BHEL Mini Colony	1	6.00			6.00	
	Muneshwara Block	1	6.00			6.00	
	Near Kodava Samaja	1	6.00			6.00	
						6.00	
					Present Qty	**36.00**	**Rmt**

Assistant Engineer
Ward No-13

Asst. Executive Engineer,
Shetty halli Sub Division

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Name of Work :Providing Borewell water pipe lines Water Supply works at ward no.13

	Pre Measurement Recorded on : 3-7-19						
Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
5	175 mm dia M.S. Casing cap (P.NO-III, I.NO-85, PRED 12-13 SR)6						
	Area						
	Near Hatti Lakkamma Temple	1				1.00	
	Govt School Mallasandra	1				1.00	
	Ravindra Nagara Lake	1				1.00	
	BHEL Mini Colony	1				1.00	
	Muneshwara Block	1				1.00	
	Near Kodava Samaja	1				1.00	
						1.00	
					Present Qty	**6.00**	**Each**

Assistant Engineer
Ward No-13

Asst. Executive Engineer,
Shetty halli Sub Division

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Name of Work :Providing Borewell water pipe lines Water Supply works at ward no.13

	Pre Measurement Recorded on : 3-7-19						
tem No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
6	supply of 175mm M.S collars each (P.NO-III, I.NO-86, PRED 12-13 SR)						
	Area						
	Near Hatti Lakkamma Temple	1	7.00			7.00	
	Govt School Mallasandra	1	7.00			7.00	
	Ravindra Nagara Lake	1	7.00			7.00	
	BHEL Mini Colony	1	7.00			7.00	
	Muneshwara Block	1	7.00			7.00	
	Near Kodava Samaja	1	7.00			7.00	
						7.00	
					Present Qty	**42.00**	**Each**

Assistant Engineer 3/7/19
Ward No-13

Asst. Executive Engineer,
Shetty halli Sub Division

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Name of Work :Providing Borewell water pipe lines Water Supply works at ward no.13

Pre Measurement Recorded on : 5-7-19

tem No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
7	Supply & delivery at site brand new texmo/innoval/lubi/sabar /Atalanta/calamal/ waterman/Radha make suitable HP deep well submercible pumpset suitable for vertical installation in 150 dia borewells compressing of single stage or multistage CF pump close coupled by means of stainless steel coupling to suitable HP suitable speed totally enclosed and filled with pure drinking water squirrel cagesubmercible induction motor suitable for operation of 3Ph, 50Hz.380/440 volts AC supply fitted with required accessories such as suction, casing, suction strainers, sand guard. Non return valve etc Complete the pump and motor shall from an integral unit with all the required fittings 15HP/11KW 25 stage (P.NO-XLII, I.NO-41, PWD SR-2018-19)						
	Area						
	Near Hatti Lakkamma Temple	1				1.00	
	Govt School Mallasandra	1				1.00	
	Ravindra Nagara Lake	1				1.00	
	BHEL Mini Colony	1				1.00	
						1.00	
					Present Qty	**4.00**	**Nos**

Assistant Engineer
Ward No-13
5/7/19

Asst. Executive Engineer,
Shetty halli Sub Division

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Name of Work :Providing Borewell water pipe lines Water Supply works at ward no.13

	Pre Measurement Recorded on : 5-7-19						
em No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
8	Providing, laying & jointing GI pipes confirming to IS specification of approved make with fittings such as collars bends elbows tees nipples plugs with cuts threads using white lead & threads for joints wherever necessary as per direction including all lead & lift etc,. complete 'A' grade(excluding cost of fittings) 50mm dia GI pipe (PWD SR-2018-19, P.No.92 I.no. 13.6)						
	Area						
	Near Hatti Lakkamma Temple	1	300.00			300.00	
	Govt School Mallasandra	1	300.00			300.00	
	Ravindra Nagara Lake	1	300.00			300.00	
	BHEL Mini Colony	1	300.00			300.00	
						300.00	
					Present Qty	**1200.00**	**Rmtr**

Assistant Engineer
Ward No-13
5/7/19

Asst. Executive Engineer,
Shetty halli Sub Division

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Name of Work :Providing Borewell water pipe lines Water Supply works at ward no.13

Pre Measurement Recorded on : 5-7-19

em No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
9	Coller						
	Area						
	Near Hatti Lakkamma Temple	27.00				27.00	
	Govt School Mallasandra	27.00				27.00	
	Ravindra Nagara Lake	27.00				27.00	
	BHEL Mini Colony	27.00				27.00	
					Present Qty	**108.00**	**Each**

Assistant Engineer
Ward No-13
5/7/19

Asst. Executive Engineer,
Shetty halli Sub Division

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Name of Work :Providing Borewell water pipe lines Water Supply works at ward no.13

	Pre Measurement Recorded on : 10-7-19						
em No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
0	Supplying and drawing 3 core PVC Sheathed submersible pump cable manufactured with electrolytic grade copper with flexible copper conductor confirming to table 3 class 5 of IS: 8130-1984 and virgin grade PVC insulation and sheathed suitable for working voltage upto 1100 volts 4 sqmm of 56 strands 0.3mm dia (P.NO-535, I.NO-30 (c), Group A BWSSB 13-14 SR)						
	Area						
	Near Hatti Lakkamma Temple	1	285.00			285.00	
	Govt School Mallasandra	1	285.00			285.00	
	Ravindra Nagara Lake	1	285.00			285.00	
	BHEL Mini Colony	1	285.00			285.00	
						285.00	
					Present Qty	**1140.00**	**Rmt**

Assistant Engineer 10/7/19
Ward No-13

Asst. Executive Engineer,
Shetty halli Sub Division

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Name of Work :Providing Borewell water pipe lines Water Supply works at ward no.13

	Pre Measurement Recorded on : 10-7-19						
m o	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
	Supplying & delivery at site brand new / Essen / Lotus sunsines/Adarsh/ Gk controls best indigenous make combine energy meter-cum-control panel board unit of size 1200 x 600 x 300 mm minimum mechanically strong and vermin and water proof the unit shall have two detachable doors suitable for operation on 3ph, 50Hz, 380/440 volts, AC supply with spring loaded latch locking with a key ribs should be provided inside the door , canopy apron and louvers ventilators shall be provided the combine energy mtr cum control panel board unit suitable for operation on 3ph, 50Hz, 380/440 AC supply shall be consisted etc,. completed T panel board shall be fabricated on single unit in the above components panel board for suitable pumpset above components panel board for suitable pumpset above 6.50 HP to 15.00 HP with star delta starter (MR)						
	Area						
	Near Hatti Lakkamma Temple	1				1.00	
	Govt School Mallasandra	1				1.00	
	Ravindra Nagara Lake	1				1.00	
	BHEL Mini Colony	1				1.00	
					Present Qty	**4.00**	**No's**

Assistant Engineer
Ward No-13

Asst. Executive Engineer,
Shetty halli Sub Division

Scanned by CamScanner

Name of Work :Providing Borewell water pipe lines Water Supply works at ward no.13

Pre Measurement Recorded on : 10-7-19

m o	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
	Fabricating supplying and mounting MS box of 16 SWG suitable for floor / wall mounting, fully weather proof with provision for better hear description, (providing with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clamps with necessary cable entry pipe with gland and box should be finished 2 coats of red oxide primes paint and finally finished with approved colour enamelled metal paint etc,. complete box of 21600 sq cm (P.NO-530, I.NO-39 b, BWSSB SR 13-14)						
	Area						
	Near Hatti Lakkamma Temple	1	1100.00	20.00		22000.00	
	Govt School Mallasandra	1	1100.00	20.00		22000.00	
	Ravindra Nagara Lake	1	1100.00	20.00		22000.00	
	BHEL Mini Colony	1	1100.00	20.00		22000.00	
						22000.00	
					Present Qty	**88000.00**	**Sqm Cm**

Assistant Engineer
Ward No-13
10/7/19

Asst. Executive Engineer,
Shetty halli Sub Division

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Name of Work :Providing Borewell water pipe lines Water Supply works at ward no.13

	Pre Measurement Recorded on : 10-7-19						
m o	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
3	Providing & Fixing of clamps set and borewell cap to the pump (MR)						
	Area						
	Near Hatti Lakkamma Temple	1				1.00	
	Govt School Mallasandra	1				1.00	
	Ravindra Nagara Lake	1				1.00	
	BHEL Mini Colony	1				1.00	
					Present Qty	**4.00**	**No's**

Assistant Engineer
Ward No-13
10/7/19

Asst. Executive Engineer,
Shetty halli Sub Division

Scanned by CamScanner

Name of Work :Providing Borewell water pipe lines Water Supply works at ward no.13

Pre Measurement Recorded on : 11/7/19

Discription of Item	No	Length	Breadth	Depth	Qty	Unit
Supplying & delivery of brand new best make non return valve of size 50mm as per IS: 778/84 with latest amendments with ISI mark (50mm Gate wheel Valve. (PWD SR-2018-19, P.NO.XXV, Sl.no, 647)						
Area						
Near Hatti Lakkamma Temple	2				2.00	
Govt School Mallasandra	2				2.00	
Ravindra Nagara Lake	2				2.00	
BHEL Mini Colony	2				2.00	
					2.00	
				Present Qty	**8.00**	**No's**

Assistant Engineer 11/7/19
Ward No-13

Asst. Executive Engineer,
Shetty halli Sub Division

Scanned by CamScanner

Name of Work :Providing Borewell water pipe lines Water Supply works at ward no.13

Pre Measurement Recorded on : 11-7-19

Discription of Item	No	Length	Breadth	Depth	Qty	Unit
Supplying and delivery of brand new best make Gate Valve of size 50mm as per IS: 778/84 with latest amendments with ISI mark . 50mm Gate Valve for distributer pipeline. 50mm dia (PWD SR-2018-19, P.NO.XXVI, Sl.no, 661)						
Area						
Near Hatti Lakkamma Temple	4				4.00	
Govt School Mallasandra	4				4.00	
Ravindra Nagara Lake	4				4.00	
BHEL Mini Colony	4				4.00	
				Present Qty	**16.00**	**No's**

Assistant Engineer
Ward No-13

Asst. Executive Engineer,
Shetty halli Sub Division

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Name of Work :Providing Borewell water pipe lines Water Supply works at ward no.13

	Pre Measurement Recorded on : 11-7-19						
	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
	Providing and fixing of 50mm GI Shortbend to motor (PWD SR-2018-19, P.NO.XXXIX, G.I. Pipe Fittings - ISI Standards Table)						
	Area						
	Near Hatti Lakkamma Temple	2				2.00	
	Govt School Mallasandra	2				2.00	
	Ravindra Nagara Lake	2				2.00	
	BHEL Mini Colony	2				2.00	
						2.00	
					Present Qty	**8.00**	**No's**

Assistant Engineer
Ward No-13

Asst. Executive Engineer,
Shetty halli Sub Division

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Name of Work :Providing Borewell water pipe lines Water Supply works at ward no.13

	Pre Measurement Recorded on : 11-7-19						
	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
	Providing and fixing of 50mm GI union to the motor (PWD SR-2018-19, P.NO.XXXIX, G.I. Pipe Fittings - ISI Standards Table)						
	Area						
	Near Hatti Lakkamma Temple	2				2.00	
	Govt School Mallasandra	2				2.00	
	Ravindra Nagara Lake	2				2.00	
	BHEL Mini Colony	2				2.00	
					Present Qty	**8.00**	**No's**

Assistant Engineer
Ward No-13

Asst. Executive Engineer,
Shetty halli Sub Division

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Name of Work :Providing Borewell water pipe lines Water Supply works at ward no.13

Pre Measurement Recorded on : 11-7-19

Discription of Item	No	Length	Breadth	Depth	Qty	Unit
suppling & fixing of 50mm GI Elbow PWD SR 18-19 XXXIX						
Area						
Near Hatti Lakkamma Temple	1				1.00	
Govt School Mallasandra	1				1.00	
Ravindra Nagara Lake	1				1.00	
BHEL Mini Colony	1				1.00	
					1.00	
				Present Qty	**4.00**	**No's**

Assistant Engineer
Ward No-13

Asst. Executive Engineer,
Shetty halli Sub Division

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Name of Work :Providing Borewell water pipe lines Water Supply works at ward no.13

Pre Measurement Recorded on : 11-2-19

m o	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
)	Labour charges for erection of new /repaired submersible pumpset along with GI pipes (32/50mm) cable (new submersible pumpset if required will be supplied by the department free of cost and released pump set should be handed over to department) including transportation (each length = 6.00m) (P.No - 564, I.No - 3, BWSSB SR 13-14)						
	Area						
	Near Hatti Lakkamma Temple	1	52.00			52.00	
	Govt School Mallasandra	1	52.00			52.00	
	Ravindra Nagara Lake	1	52.00			52.00	
	BHEL Mini Colony	1	52.00			52.00	
						52.00	
					Present Qty	**208.00**	**Per length**

Assistant Engineer
Ward No-13

Asst. Executive Engineer,
Shetty halli Sub Division

Scanned by CamScanner

Name of Work :Providing Borewell water pipe lines Water Supply works at ward no.13

Pre Measurement Recorded on : 13-7-19

Discription of Item	No	Length	Breadth	Depth	Qty	Unit
Erection of combined panel board meter board with all necessary materials and labour including providing CC 1:3:6 foundation bed etc,. Complete for basement out door type. (MR)						
Area						
Near Hatti Lakkamma Temple	1				1.00	
Govt School Mallasandra	1				1.00	
Ravindra Nagara Lake	1				1.00	
BHEL Mini Colony	1				1.00	
				Present Qty	**4.00**	**No's**

Assistant Engineer 13/7/19
Ward No-13

Asst. Executive Engineer,
Shetty halli Sub Division

Scanned by CamScanner

Name of Work :Providing Borewell water pipe lines Water Supply works at ward no.13

	Pre Measurement Recorded on : 13-7-19						
	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
	Supplying and fixing miniature circuit breakers/isolators in existing MCB distribution boards using necessary fixing materials and wiring complete as required, 40 to 63 Amps DP (P.NO - 526, I.NO - 13D (a), BWSSB SR 13-14)						
	Area						
	Near Hatti Lakkamma Temple	1				1.00	
	Govt School Mallasandra	1				1.00	
	Ravindra Nagara Lake	1				1.00	
	BHEL Mini Colony	1				1.00	
					Present Qty	**4.00**	**No's**

Assistant Engineer
Ward No-13
13/7/19

Asst. Executive Engineer,
Shetty halli Sub Division

Scanned by CamScanner

Name of Work :Providing Borewell water pipe lines Water Supply works at ward no.13

Pre Measurement Recorded on : 13-7-19

Discription of Item	No	Length	Breadth	Depth	Qty	Unit
Supplying and laying of L.T.U.G Cable having aluminiumconductor PVC insulated shethed galvanised steel wire/ steel tape armoured cable with PVC outer sheathing 1.1 KV class 4 core 16 sqmm cable (confirming to IS 1554) (P.NO - 553, I.NO - 10 (d), BWSSB SR 13-14)						
Area						
Near Hatti Lakkamma Temple	1	35.00			35.00	
Govt School Mallasandra	1	35.00			35.00	
Ravindra Nagara Lake	1	35.00			35.00	
BHEL Mini Colony	1	35.00			35.00	
					35.00	
				Present Qty	**140.00**	**Mtr**

Assistant Engineer
Ward No-13
13/7/19

Asst. Executive Engineer,
Shetty halli Sub Division

Scanned by CamScanner

Name of Work :Providing Borewell water pipe lines Water Supply works at ward no.13

Pre Measurement Recorded on : 13-7-19

Discription of Item	No	Length	Breadth	Depth	Qty	Unit
Digging of trenches of 0.6mm x 0.50 Mtrs wide refilling the trench to the required ground level and consolidating etc,. Complete sutting road surfaces (P.NO - 554, I.NO - 12 (b), BWSSB SR 13-14)						
Area						
Near Hatti Lakkamma Temple	1	35.00			35.00	
Govt School Mallasandra	1	35.00			35.00	
Ravindra Nagara Lake	1	35.00			35.00	
BHEL Mini Colony	1	35.00			35.00	
					35.00	
				Present Qty	**140.00**	**Mtr**

Assistant Engineer
Ward No-13

Asst. Executive Engineer,
Shetty halli Sub Division

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Name of Work :Providing Borewell water pipe lines Water Supply works at ward no.13

	Pre Measurement Recorded on : 15-7-19						
m o	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
	Supplying and fixing Class-A GI Pipe on pole/ wall/drain crossing with necessary clamping arrangements for UG Cable of 1.1 KV class 40mm (P.NO - 555, I.NO - 15 (b), BWSSB SR 13-14)						
	Area						
	Near Hatti Lakkamma Temple	1	3.00			3.00	
	Govt School Mallasandra	1	3.00			3.00	
	Ravindra Nagara Lake	1	3.00			3.00	
	BHEL Mini Colony	1	3.00			3.00	
						3.00	
					Present Qty	**12.00**	**Mtr**

Assistant Engineer
Ward No-13
15/7/19

Asst. Executive Engineer,
Shetty halli Sub Division

Scanned by CamScanner

Name of Work :Providing Borewell water pipe lines Water Supply works at ward no.13

Pre Measurement Recorded on : 15-7-19

Discription of Item	No	Length	Breadth	Depth	Qty	Unit
Supplying and fixing wiring earth electrode for grounding conduits, IC cutouts and other equipments on the meter board using 40mm dia 2.90 mm thick GI pipe 2.5 mtr long buried in a pit,/ the pit should be filled with equal proportion of salt and charocal 150 mm alround the pipe to complete depth the connections from the pipe to the conduit etc,. is to be established though GI wire of size as per ISI specification 7.3.3 of ISI 732 using 12mm dia boalts, nuts washers and checknuts etc,. the pipe shall have 16 through holes of 122mm dia (P.NO - 552, I.NO - 7 , BWSSB SR 13-14)						
Area						
Near Hatti Lakkamma Temple	1				1.00	
Govt School Mallasandra	1				1.00	
Ravindra Nagara Lake	1				1.00	
BHEL Mini Colony	1				1.00	
				Present Qty	**4.00**	**No's**

Assistant Engineer
Ward No-13
15/7/19

Asst. Executive Engineer,
Shetty halli Sub Division

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